

DEUTERIUM OXIDE

Dispensed Product Information

Deuterium Oxide Delivered!

Deuterium oxide (or Heavy Water) is a form of water in which both hydrogen atoms are the deuterium isotopes (heavy hydrogen) as opposed to the protium isotopes (light hydrogen). Applications are found in the Pharmaceutical, Diagnostics, Hydrology, and Scientific Research and Manufacturing as well as and making deuterium gas for Fiber Optics and Semi-Conductors industries.

PRODUCT SPECIFICATION CRITERIA

PARAMETER	SPECIFICATION	UNITS
Deuterium Oxide 99.9%		
Isotopic Concentration	99.9	% deuterium
Tritium	<2	μCi/kg D ₂ O

Pricing

Product Code	Unit Size	Packaging	Price
A-5001-001K	1 kg	1 x 1 kg Bottle	\$US 779
A-5001-004K	4 kg	4 x 1 kg Bottles	\$US 2,890
A-5001-001L	1000 ml	1 x 1 liter Bottle	\$US 858
A-5001-004L	4000 ml	4 x 1 liter Bottle	\$US 3,195
A-5001-015MD	15 kg	1 x 15 kg Mini-Drum	\$US 8,631
A-5001-030SM	30 kg	1 x 30 kg Small Drum	\$US 16,500
A-5001-001DR	Drums	1 or more Large Drums	Sales@isowater.com

The above prices are quoted for deuterium oxide at 99.9 %. For pricing of deuterium oxide at 99.8% please inquire at sales@isowater.com.



PHYSICAL AND CHEMICAL PROPERTIES OF DEUTERIUM OXIDE

Physical State & Appearance	Liquid
Odor	Odorless
Taste	Tasteless
Molecular weight	20.027 g/mole
Color	Clear, colorless
pH (1% solution in water)	7.4-7.7
Boiling Point	101.4 °C
Melting Point	3.8 °C
Specific Gravity	1.106 @ 25 °C (Water=1.0000)
Odor Threshold	Odorless, no threshold available
Solubility	Completely miscible with water or aqueous solutions

Reliable Supply of Deuterium Based Products

Isowater Corporation is a Canadian company that provides a reliable supply of hydrogen isotopes to global markets. Our products are deuterium oxide (heavy water) in the quantity and concentration needed as well as deuterium gas systems (heavy hydrogen gas) for a number of applications including: Pharmaceutical, Diagnostics, Hydrology, Fibre Optics, Electronics and Scientific Research and Manufacturing.



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